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A NEW RECORD FOR *Aedes*
(*Neomelaniconion*) *lineatopennis*
(LUDLOW) IN THE
RYUKYU ISLANDS

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Aedes (*Neomelaniconion*) *lineatopennis* (Ludlow) was collected in Ishigaki-jima, Southern Ryukyu Islands. Eight specimens of this species were found in the large collection, numbering over 2,000 mosquitoes in light traps (6 watt fluorescent black lamp). The traps were set near paddy field of mountain side near Maeshi in the evening from July 21 to August 3, 1976. The remainder of the collection consisted of common species, *Culex tritaeniorhynchus* Giles, *Ae. vexans nipponii* (Theobald), *Mansonia uniformis* (Theobald) and *Mimomyia luzonensis* (Ludlow). The larvae of *lineatopennis* were also found in shallow fresh water grassy pools in fallow land of Hoshino Village, together with *Ae. vexans nipponii*.

The larva of *lineatopennis* is morphologically very similar to *Ae. vexans*. The most distinct character for separation from the latter is found in the branching of head seta 6-C: in *vexans* single or bifid but *lineatopennis* with 4-6 branches. The adult is easily identified by the broad lines of golden scales on each side of the mesonotum.

Although *lineatopennis* is widely distributed throughout the Oriental, North Australian and Ethiopian regions (Stone et al. 1959), it has apparently not been previously recorded from the Ryukyu Is. Ishigaki-jima is rather well examined for mosquitoes by many entomologists, such as Bohart (1959), Miyagi et al. (1969), Tanaka et al. (1975) and Kamimura (1976). The absence of this

distinct mosquito in collections until the present time suggests that it is present in extremely local populations, easily overlooked, or else is a recent immigrant. Martingly (1961) stated that *lineatopennis* appear to be capable of mass migration and this may account for the very wide distribution. Throughout the Southeast Asian countries this is one of the common mosquitoes known as the man and cattle biter. Lien (1969, unpublished) listed it from Korea, but as far as the authors know, no record exists for this species in Taiwan (Lien 1962).

The most recent checklist of the mosquitoes of Yaeyama Gunto, Southern Ryukyu Is. (Tanaka et al. 1975) includes 57 species. Now the 58th species, *Ae. lineatopennis* is added to the mosquito fauna of Yaeyama Gunto.

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